

Kindly amend the claims of the above referenced patent application as follows:

1-41. Canceled

42. (Currently amended) A terminal device capable of recording broadcast information, comprising:

operation means for enabling an operation to be input by a user;

input means for receiving channel data of a channel including a selected program that the user has selected as a program to be recorded through said operation means;

first filter means for selecting, from said channel data, video and/or audio data for said selected program and program information for said selected program;

second filter means for extracting, from said program information selected by said first filter means, only program information to be recorded other than a portion that is no longer necessary for recording;

~~audio-visual~~ and/or video data recording means for recording said video and/or audio data for said selected program; and

program information recording means for recording said extracted program information portion and location information indicative of a recording location of said recorded video and/or audio data for said selected program wherein said video data is associated with said audio data.

43. (Previously presented) A terminal device as claimed in claim 42, further comprising:

program information displaying means for displaying said recorded extracted program information portions of said recorded programs;

means for prompting the user to select, from said displayed program information portions, one of said recorded programs for play; and

means, responsive to the user selecting said one of said recorded programs, for playing said selected recorded program to provide video and/or audio output(s).

44. (Previously presented) A terminal device as claimed in claim 42, wherein said audio-visual data recording means includes:

multiplexing means for multiplexing, for said selected program, said video and audio data and said extracted program information portion and location information into a multiplexed data stream;

data recording means for recording said multiplexed data stream; and

recording frequency adjusting means for adjusting a recording frequency of said extracted program information portion and location information.

45. (Previously presented) A terminal device as claimed in claim 43, wherein said program information displaying means includes:

means, operative in case any recorded extracted program information portion includes a piece of information to which a valid period is assigned, for displaying said any recorded extracted program information portion while excluding said piece of information if a current time is outside of said valid period.

46. (Amended) A terminal device as claimed in claim 44 45, wherein said recording frequency adjusting means comprises:

monitoring means for monitoring a rate of transmission of said multiplexed data stream:

and

means for raising and/or lowering said recording frequency.

47. (Previously presented) a terminal device as claimed in claim 42, wherein said program information recording means includes:

means for monitoring whether said extracted program information portion related to said selected program is adapted to change contents thereof during a broadcast period of said selected program; and

changed contents recording means, operative wherein said extracted program information portion related to said selected program being received has changed contents thereof at a certain time during said broadcast period, for recording a start time of said selected program, said certain time and contents of said extracted program information portion during a period from said start time to said certain time, said recorded start time and said recorded certain time being expressed either in relative time measured from said start time, or as a location on said recording media.

48. (Previously presented) A terminal device as claimed in claim 47, wherein said program information recording means further includes:

last contents recording means, responsive to detection of an end of said broadcast period, for recording said certain time, a time of said detection and contents of said extracted program information portion during a second period from said certain time to said time of said detection, wherein said recorded start time and said recorded certain time are expressed either in relative time measured from said start time or as a location on a recording medium.

49. (Previously presented) A terminal device as claimed in claim 48, wherein said selected program comprises video and/or audio sub-channels, wherein said changed contents relate to said video and/or audio sub-channels that constitute said selected program during said first period; and

wherein said last contents recording means is adapted to record said certain time, said time of said detection and said video and/or audio sub-channels that constitute said selected program during said second period.

50. (Previously presented) A terminal device as claimed in claim 49, further including:

means for enabling a user to select a desired video sub-channel and/or a desired audio sub-channel from said video and/or audio sub-channels that constitute a portion of said selected program that is being played or that is currently being played; and

means for playing at least said desired video sub-channel and/or said desired audio sub-channel.

Kindly add the following new claims:

51. (New) A terminal device capable of recording broadcast information, comprising:
an operation unit that enables an operation to be input by a user;
an input unit that receives channel data of a channel including a selected program that the user has selected as a program to be recorded through the operation unit;

a first filter unit that selects, from the channel data, video and/or audio data for said selected program and program information for the selected program;

a second filter unit that extracts, from the program information selected by the first filter unit, only a program information portion to be recorded other than the other portion of the program information that is no longer necessary for recording;

an audio-visual data recording unit that records the video and/or audio data for the selected program;

a program information recording unit that records the extracted program information portion and location information indicative of a recording location of the recorded video and/or audio data for the selected program wherein the video data is associated with the audio data;

a program information displaying unit that displays the program information portion of the selected program recorded in the program information recording unit and another program information portion of another program already recorded in the program information recording unit;

a unit that prompts the user to select, from the displayed program information portions, one of the recorded programs for play; and

a unit, responsive to the user selecting the one of the recorded programs, for playing the selected recorded program to provide video and/or audio output,

wherein the program information displaying unit includes:

a unit, operative in case any recorded extracted program information portion includes a piece of information to which a valid period is assigned, that displays the any recorded extracted program information portion while excluding the piece of information if a current time is outside the valid period.

52. (New) A terminal device capable of recording broadcast information, comprising:

an operation unit that enables an operation to be input by a user;

an input unit that receives channel data of a channel including a selected program that the user has selected as a program to be recorded through the operation unit;

a first filter unit that selects, from the channel data, video and/or audio data for said selected program and program information for the selected program;

a second filter unit that extracts, from the program information selected by the first filter unit, only a portion of program information to be recorded other than the other portion of the program information that is not no longer necessary for recording;

an audio-visual data recording unit that records the video and/or audio data for the selected program; and

a program information recording unit that records the extracted program information portion and location information indicative of a recording location of the recorded video and/or audio data for the selected program wherein the video data is associated with the audio data,

wherein the program information recording unit includes:

a monitoring unit that monitors whether the extracted program information portion related to the selected program is adapted to change contents thereof during a broadcast period of the selected program; and

a changed contents recording unit, operative wherein the extracted program information portion related to the selected program being received has changed contents thereof at a certain time during the broadcast period, that records a start time of the selected program, the certain time and contents of the extracted program information portion during a period from the start time to the certain time, the recorded start time and the recorded certain time being expressed either in a relative time measured from the start time, or as a location on the recording media.